

# UI 2010

## UNDERWATER INTERVENTION

\* Presentation Not Yet Confirmed

Last Updated 1/28/10



- Tuesday, February 9
- Wednesday, February 10
- Thursday, February 11

Tuesday, February 9, 2010

	Room 243	Room 244	Room 245	Room 235/236	Room 238/239
9-9:30	OPEN	OE1: Theory and Analysis for a Drag Plate for Tethering Wave Energy Extraction Devices at Sea Vorus	HOV 1: MTS Overview of Manned Sub Activity in 2009 William Kohnen, MTS MUV	OPEN	Acoustics for Beginners, Ian Florence
9:30-10	AUV 1: AUTOTRACKER: Autonomous Inspection - Capabilities and Lessons Learned in Offshore Operations Dr Jonathan Evans, Pedro Patron, Benjamin Privat, Nicholas Johnson [*] and Dr Chris Capus	OE2: Experimental results of forces on a dynamic drag structure Debalzo	HOV 2: NOAA Overview of Research HOV Activity in 2009 Kohanowich, NOAA Ocean Exploration	*Green Turtle Excavator CDI	Acoustics for Beginners, Ian Florence
10-10:30	Break	Break	Break		Acoustics for Beginners, Ian Florence
10:30-11	AUV 3: Shallow to deep water AUV designs for offshore applications McCarthy, Bjørn Jalving, Chris Von Alt	ADC, Who we are and why you care Bill Crowley, Association President	HOV 3: Status Update for Development of RHOV Personnel Sphere Jerry Henkener, Southwest Research Institute	*SAT System DIVEX	Acoustics for Beginners, Ian Florence
11-11:30	AUV 4: Submerged Self Track System (SSTS). Casey, Mendell	MTS ROV Committee, who we are and why you care Drew Michel, Committee Chairman	HOV 4: Modern Welding Technology for Submersible Pressure Vessels Brett Matta, STADCO	*Chapter 6 ASME—PVHO Diving Systems	Acoustics for Beginners, Ian Florence
11:30-12					Acoustics for Beginners, Ian Florence
11:30-1:30	Lunch	Lunch	Lunch		



4:30-5	Sean Newsome, Seabotix	Technology for ABS van Meter	OPEN	Claudio Castro, STS Chile'	
Wednesday, February 10, 2010					
	<b>Room 243</b>	<b>Room 244</b>	<b>Room 245</b>	<b>Room 235/236</b>	<b>Room 238/239</b>
9-9:30	ROV1: Don't Get the Shaft: How Uniquely Configured ROVs can Aid in Internal Shaft Work and Other Construction Tasks Malak	Edu1: MATE ROV Competitions: Building Partnerships Between Education and Industry Jill Zande	HOV 11: Lunar Analog Activities Using the DeepWorker 2000 Manned Submersible Jeff Heaton, Nuytco Research Ltd.	Saturation Diving in New York City's Water Supply Mike Langen Construction Division Manager, Global Diving & Salvage	SONAR TUTORIAL Mark Atherton
9:30-10	ROV2: ROV UMBILICAL AND TETHER AMPACITY IN THE REAL-WORLD Olson	Micro4: Observation Class ROVs Come of Age Christ	HOV 12: Regulatory Panel Discussion Moderator, Will Kohnen Panelists: US Coast Guard James D Lawrence; ABS Americas Roy Thomas; Germanischer Lloyds Harold Pauli	Freebreath Technology; A Semi Demand Diver's Gas Reclaim System Mr Peter Grimsey Grim Sea	SONAR TUTORIAL Mark Atherton
10-10:30	Break	Break	Break		Break
10:30-11	ROV3: Rapid Response Smart Tether Navigation System for Underwater Missions Frank	DIV3 Humboldt Squid Invasion Scott Cassell	HOV 13: Construction and Testing of SEAmagine 1100 ft rated Two-Person Ocean Pearl Submersible Charles Kohnen, Seamagine Hydrospace Corp.	Legal Update 2010 Jones Act Case Law, and Atlantic Sounding Case Rick Lesser, Lesser and Assoc.	SONAR TUTORIAL Mark Atherton
11-11:30	ROV4: There and Back Again-Voyages of the Nereus Hybrid Remotely Operated Vehicle May-June 2009 Fletcher	Micro5: Making navigation, sonar, propulsion, and sensors work together in a comprehensive, portable, package Goldstein	HOV 14: Manned Submersible Ictineu 3: Design and Construction of The Pressure Hull Pere Fores, Gian Piero Giuffre	Legal Update 2010 Jones Act Case Law, and Atlantic Sounding Case Rick Lesser, Lesser and Assoc.	SONAR TUTORIAL Mark Atherton
11:30-1:30	Lunch	Lunch	Lunch		Lunch
1:00 pm—1:30 pm		MICRO 13: Assisting and Observing Recovery of Sunken Tugboat in Middle East Thomas Wadsworth		Commercial Equipment Maintenance Techniques , Chris Gabel	
	DIV4 Fitness 4 Dive: Baseline Body		HOV 15: Pressure Tolerant Lithium Ion Batteries for Deep Submergence Vehicle ALVIN		

1:30-2	Habitus in the Commercial Diver Dr. Brian M. Bourgeois		Daniel Gomez-Ibanez, Woods Hole Oceanographic Institution, USA	Commercial Equipment Maintenance Techniques , Chris Gabel	SONAR TUTORIAL Mark Atherton
2-2:30	ROV6: LED Light Fixtures and Selection Criteria for Underwater Video Inspections Poissonnet	MICRO 8 Accommodating multiple simultaneous sensors from different manufacturers on a mini-ROV Kolb	HOV 16: TAHUV Expedition—2009 Lake Tahoe Underwater Voyage with SEAMobile submersible Scott Cassell, Undersea Voyager Project	Commercial Equipment Maintenance Techniques , Chris Gabel	SONAR TUTORIAL Mark Atherton
2:30-3	ROV7 High Brightness LED Driver and Control for Marine Applications Hardy	MICRO 9; Small ROV Selection and Configuration Criteria Rubin	HOV 17: SUB MARINE EXPLORER: A FORGOTTEN CIVIL WAR SUBMARINE Delgado, Inst. Nautical Archaeology	Commercial Equipment Maintenance Techniques , Chris Gabel	SONAR TUTORIAL Mark Atherton
3-3:30	Break	Break	Break	Commercial Equipment Maintenance Techniques , Chris Gabel	SONAR TUTORIAL Mark Atherton
3:30-4	ROV 8: Gulf SERPENT: An academic-industrial partnership to explore the deep sea Stuart Cook, Long Beach City College; Mark Benfield, Louisiana State University	MICRO10; Selecting and Optimizing ROV Camera and Lighting Rubin	MTS Manned Underwater Vehicle Committee Meeting	Commercial Equipment Maintenance Techniques , Chris Gabel	
4-4:30	ROV 9: Development of Micro ROV-based Methods to Examine Reef Fish Community and Size Structure on Artificial and Natural Reefs Will Patterson, PhD. Associate Professor Department of Biology University of West Florida	MICRO11; Raising the Bar Under the Sea Rubin	MTS Manned Underwater Vehicle Committee Meeting	Commercial Equipment Maintenance Techniques , Chris Gabel	<i>Diver Certification Board of Canada—ROV Certification Scheme</i> John Scott Business Development Director Dominion Diving Ltd

	SW6: Lake Champlain Shipwreck Survey				
4:30-5	Rachael Miller, Shipwrecktour	MICRO12 Reef Research by ROV		Commercial Equipment Maintenance Techniques , Chris Gabel	
		Patterson	OPEN		

Thursday, February 11, 2010

	Room 243	Room 244	Room 245	Room 235/236	Room 238/239
9-9:30	DIV1: SURFACE-SUPPLIED UMBILICAL AND HARNESS SYSTEMS Jonathan Chapple	SW1: Shipwreck Exploration Curriculum: An Innovative Approach to Education Ellen Gerth—Odyssey Marine Exploration	HOV 20: Pressure Compensated sealed AGM lead acid batteries Kevin Hardy, DeepSea Power and Light		
9:30-10	DIV2: Augmented Performance Diver The future of commercial diving? Rogelio Morales	SW2: The Effects of Trawler Activities on Shipwrecks Dr. Sean Kingsley—Director, Wreck Watch International	HOV 21: Investigation of battery concepts for new manned submersible applications Mike Osment, DOER Marine		
10-10:30	Break	Break	Break		Break
10:30-11	SAF1: Submarine Rescue System – Transfer Under Pressure An Update Reid	SW3: ROV Utilization for Archaeological Investigations on the Marquis de Tournay Tom Dettweiler, Neil Cunningham Dobson, Hawk Tolson, Odyssey Marine Exploration	HOV Panel: Technology Panel Discussion: Battery Technology for Manned Submersibles Kevin Hardy, Roy Thomas		
11-11:30	SAF2: A SYSTEM FOR DIVER COOLING IN CONTAMINATED WATER ENVIRONMENTS Nuckols	SW4: HMS VICTORY Cannon Conservation Fred Van de Walle, Odyssey Marine Exploration	HOV Panel: Technology Panel Discussion: Battery Technology for Manned Submersibles Kevin Hardy, Roy Thomas		
11:30-1:30	Lunch	Lunch	Lunch		Lunch
	TT1: Accredited 'Self-Teach' Welder Training & Certification Programme	SW5: Galician Archaeological Shipwreck Investigations	ABS Meeting 1:30—2:30 pm Annual ABS-Industry		

1:30-2	Programme: David J. Keats, Speciality Welds Ltd	Miguel San Claudio— Marine Archaeologist, Archeonauta	ABS Industry Meeting  Roy Thomas		
2-2:30	TT2: Military Man- Machine Interfaces – Reliability and Usability  Jane Kamenster, Bokam Engineering	SW 6: Managing Potentially Polluting Shipwrecks  Moya Crawford— Managing Director, Deep Tek Ltd.	ABS Meeting 1:30— 2:30 pm Annual ABS-Industry Meeting  Roy Thomas		
2:30-3	OPEN	Break			
3-3:30	TT3: New Competency Standard for ROV Personnel  David Parkes, John Scott	Panel Discussion  3:00 pm—5:00 pm  UNESCO convention and its collateral effects on the business of marine construction, salvage, oil and gas, shipwreck exploration, and archaeology.	MTS Manned Underwater Vehicle Committee  3:00 pm—4:00 pm  Annual MUV Meeting  William Kohnen		Break
3:30-4	OPEN	Panelists: Dr. David Bederman, Emory University Law  Ole Varmer, General Council, NOAA  Dr. Sean Kingsley, Director, Wreck Watch International	MTS Manned Underwater Vehicle Committee  3:00 pm—4:00 pm  Annual MUV Meeting  William Kohnen		
4-4:30	OPEN	John Kimball, Maritime Litigation, Blank Rome LLC  Daniel De Narvaez, Nautical Investigator, Colombia, SA			
4:30-5	OPEN	Dr. Felipe Castro, Assoc Prof, Dept Anthropology, Texas A & M University  Greg Stemm, CEO, Odyssey Marine Exploration			